

AMENDMENTS TO THE SPECIFICATION

The specification has been amended as follows:

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The paragraph at lines 13-15 has been amended as follows:

~~The ink~~An ink transfer roller 33 as a transfer roller is in contact with the pre-wiping roller 31. The ink transferred to the recovery patterned portions 32 of the pre-wiping roller 31 is transferred to the ink transfer roller 33.

The paragraph at lines 16-25 has been amended as follows:

With the ink transfer roller 33, the top end of a scraping blade (doctor blade) 34, as ink scraping means, is in contact, while orientating its length to an approximate axial direction of the ink transfer roller 33. A support member 36 is provided to an axis 35 that is parallel to the ink transfer roller 33. To this support member 36, the scraping blade 34 is attached. The axis 35 is supported by a frame 38 of an inking apparatus 37 in which the inking units 4 are built. The scraping blade 34 carries ~~therein the~~therein a heating plate 39 as heating means. By heating the scraping blade 34 using the heating plate 39 in advance, reduced viscosity of the recovered ink on the scraping blade 34 is prevented.

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The paragraph at lines 5-15 has been amended as follows:

An ink recovery box 61 is provided under one side of the support member 36. A guide plate 62 which guides the ink is provided from the scraping blade 34 through the ink recovery box 61. A heating plate (not shown) is ~~rapped~~wrapped round the ink recovery box 61, preventing the reduced viscosity of the recovered ink. There is a discharge port at the bottom of the ink recovery box 61, and a pump 63 is provided further down the port. To the pump 63, an ink recycling pipe 64 is connected. In this embodiment, three ink recycling pipes 64 are connected. Each of the ink recycling pipes 64 extends to each of the inking units 4, and nozzles 65 at the tips of the respective ink recycling pipes 64 face the tops of the respective ink fountains 6.

The paragraph at lines 16-22 has been amended as follows:

In this embodiment, since one kind of ink is recovered, one of the ink recycling pipes 64 (64a, 64b, ~~and 64e~~or 64c) is used. At this time, the unused ink recycling pipes 64 are closed by switch valves 91 (91a, 91b, ~~and 91e~~or 91c). The inking unit 4 which supplies the ink to be recovered can be different depending on printing. Therefore, the inking units 4a to 4c have the recycling pipes 64a to 64c, respectively,

such that the ink is returned to all of the inking units 4a to 4c,

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The paragraph at lines 2-4 has been amended as follows:

~~The external~~An external discharging pipe 69 having a switch valve 70 is connected to the ink recovery box 61, and thus the ink can be discharged outside as required.

The paragraph at lines 19-25 has been amended as follows:

Next, operations of the ink recycling unit will be described. Fig. 7 shows a control block diagram of the ink recycling unit 15 in the intaglio printing press. The sensed results from the recovered ink detecting unit 46 and the positioning sensors 50a and 50b are inputted to a control unit 95 ~~as a control~~as control means. Further, the control unit 95 sends drive instructions to the air cylinders 43 and the rodless cylinder 48. A timer 96 is provided for setting the timing to drive the air cylinders 43 and the rodless ~~cylinder~~cylinder 48.

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The paragraph at lines 18-27 has been amended as follows:

This embodiment which adopts the present invention is an intaglio printing press for single color printing. Specifically, provided is one inking unit 4 as well as one ink

supply unit 68 that supplies ink to the inking unit 4 through a pump 92. Further, there is one recycling pipe 64 which returns the recovered ink to the inking unit 4 through a switch valve 91. Both of the form roller 97 which transfers the ink from the inking unit 4 to an intaglio plate cylinder 1, and a pre-wiping roll 98 which removes the surplus ink from the intaglio plate cylinder 1 have no patterned portions. The rest of the configuration of an ink recycling unit 15 is the same as those described earlier.